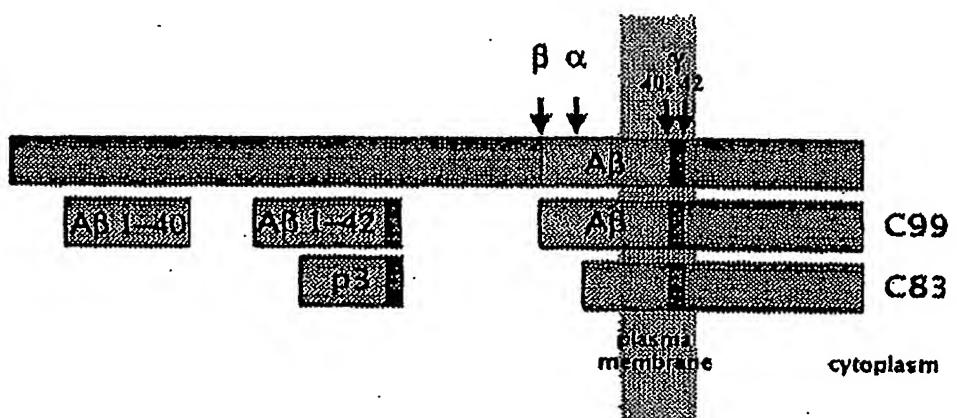


FIGURE 1A



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**siRNA1**

Human BACE1 175 GCTTTGTGGAGATGGTGG 194  
Mouse BACE1 175 GCTTTGTGGAGATGGTGG 194  
Rat BACE1 175 GCTTTGTGGAGATGGTGG 194  
Mouse BACE2 214 ACTTCTTGGCTATGGTGG 233  
Human BACE2 226 ACTTCTTGGCCATGGTAGA 245

**siRNA3**

Human BACE1 826 TGGACTGCAAGGAGTACAA 845  
Mouse BACE1 826 TGGACTGCAAGGAGTACAA 845  
Rat BACE1 826 TGGACTGCAAGGAGTACAA 845  
Mouse BACE2 856 875  
Human BACE2 868 887

**siRNA 2**

Human BACE1 257 GACGCTAACATCCGTG 276  
Mouse BACE1 257 GACGCTAACATCCGTG 276  
Rat BACE1 257 GACGCTAACATCCGTG 276  
Mouse BACE2 296 GAAGGTACAGATTCTGTG 315  
Human BACE2 308 GAAGCTACAGATTCTCGTT 327

**siRNA 4**

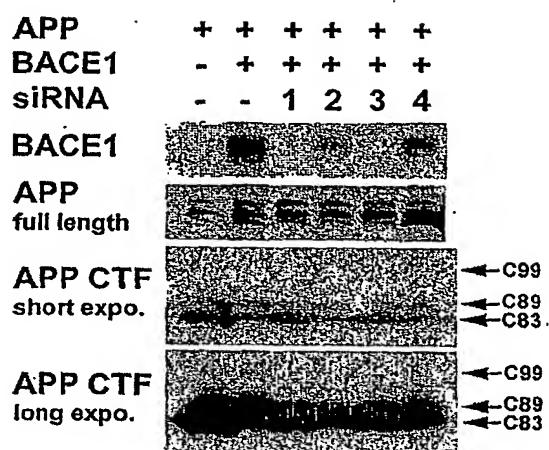
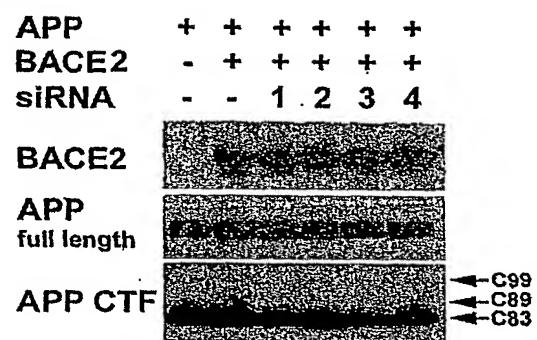
Human BACE1 1237 TTGGCTTGCTGTCAGCGC 1256  
Mouse BACE1 1237 TTGGCTTGCTGTCAGCGC 1256  
Rat BACE1 1237 TTGGCTTGCTGTCAGCGC 1256  
Mouse BACE2 1264 TGGGCTTGCACTGAGTCC 1283  
Human BACE2 1276 TGGGCTTCGCAGCGAGCCC 1295

Human BACE1:

FIGURE 1C

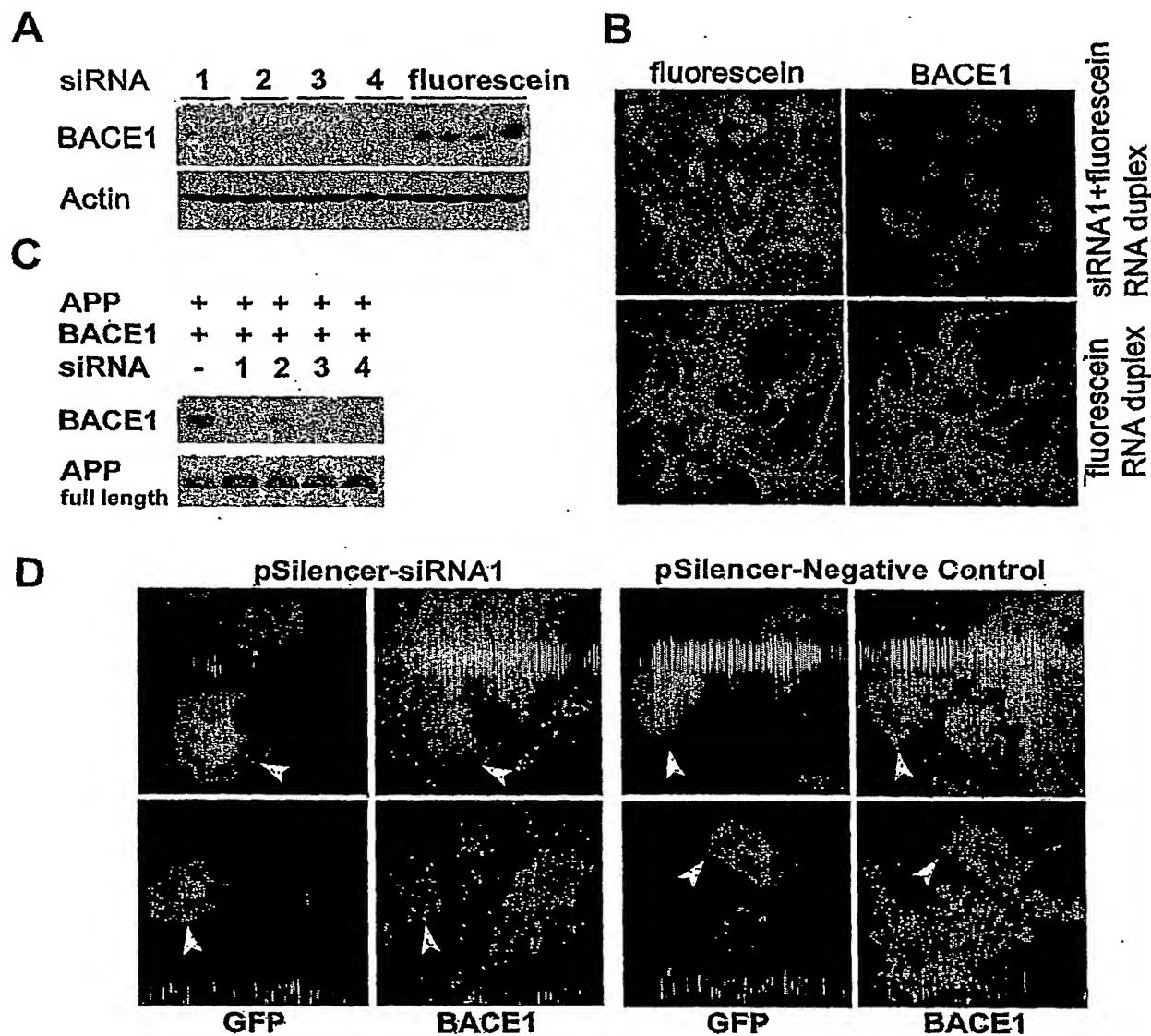
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121 ctgcggctgc cccgggagac cgacgaagag cccgaggagc cggccggag gggcagctt 1  
181 gtggagatgg tggacaacct gagggggcaag tcggggcagg gctactacgt ggagatgacc  
241 gtgggcagcc ccccgagac gctcaacatc ctggtgata caggcagcag taactttgca 2  
301 gtgggtgctg ccccccacc cttcctgcat cgctactacc agaggcagct gtccagcaca  
361 taccgggacc tccggaaggg tggatgtg ccctacaccc agggcaagtg ggaaggggag  
421 ctgggcaccc acctggtaag catccccat gggcccaacg tcactgtgcg tgccaacatt  
481 gctgccatca ctgaaatcaqa caagttttc atcaacggct ccaactggga aggcacccctg  
541 gggctggcct atgctgagat tgccaggcct gacgactccc tggagccctt ctttactct  
601 ctggtaaaggc agacccacgt tcccaacccctt ttcctccctgc agctttgtgg tgctggcttc  
661 cccctcaacc agtctgaagt gctggcctct gtcggaggga gcatgatcat tggaggtatc  
721 gaccactcgc tgtacacagg cagttctgg tatacacccca tccggcgaa gtggatttat  
781 gaggtgatca ttgtgcgggt ggagatcaat ggacaggatc tgaaaatgg ctgcaaggag 3  
841 tacaactat acaagagcat tggacagt ggcaccacca accttcgttt gcccaagaaa  
901 gtgtttgaag ctgcagtcaa atccatcaag gcagctcc ccacggagaa gttccctgat  
961 gtgttctggc taggagagca gctggtgtgc tggcaagcag gcaccacccc ttggacatt  
1021 ttcccagtc tctactcta cctaattgggt gaggttacca accagtccctt ccgcaccc  
1081 atccttcgc agcaataacct gcccca gggccat gggatgtgg ccacgtccca agacgactgt  
1141 tacaagttt ccacatcaca gtcatcc acg ggcactgtta tggagctgt tatcatggag  
1201 ggcttctac g tttgttgc aaacgaattt gtttgtgt cagcgcttgc 4  
1261 catgtgcacg atgaggtag gacggcagcg gttggaaaggcc cttttgtcac cttggacatg  
1321 gaagactgtg gctacaacat tccacagaca gatgagtcaa ccctcatgac catagccat  
1381 gtcatgg ctgc ccatctggc cctttcat g ctggccact ct gcctcat ggt gtgtcagt gg  
1441 cgctgcctcc gtcgc ctc ccagc agcat gatgact ttg ctgat gacat ctc cctgt cgt  
1501 aagtga

FIGURE 2

**A****B**

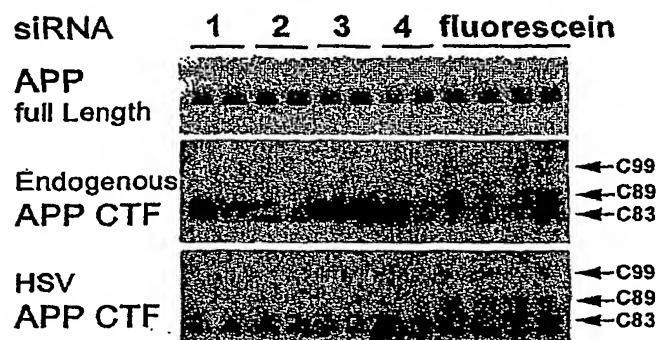
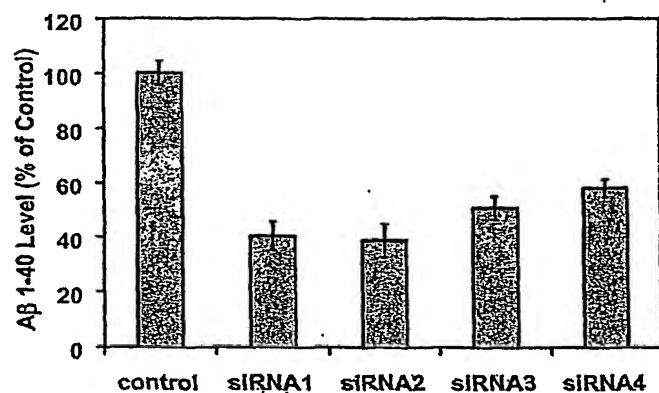
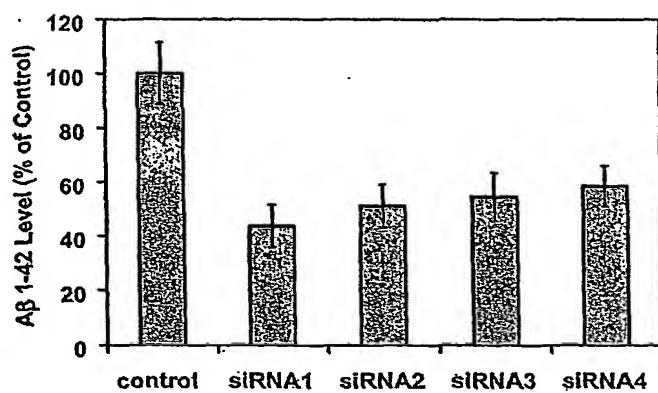
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FIGURE 3



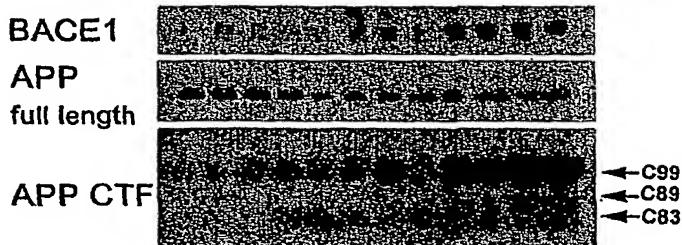
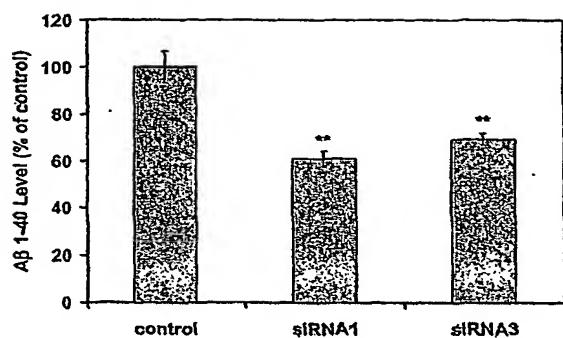
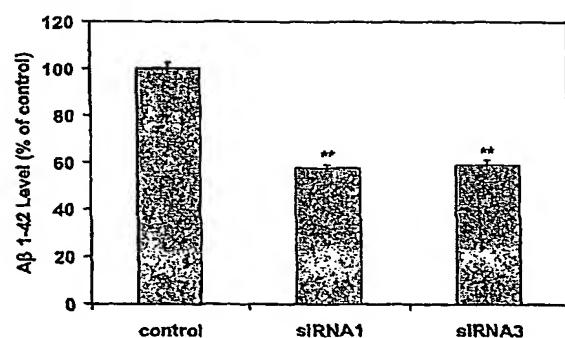
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FIGURE 4.

**A****B****C**

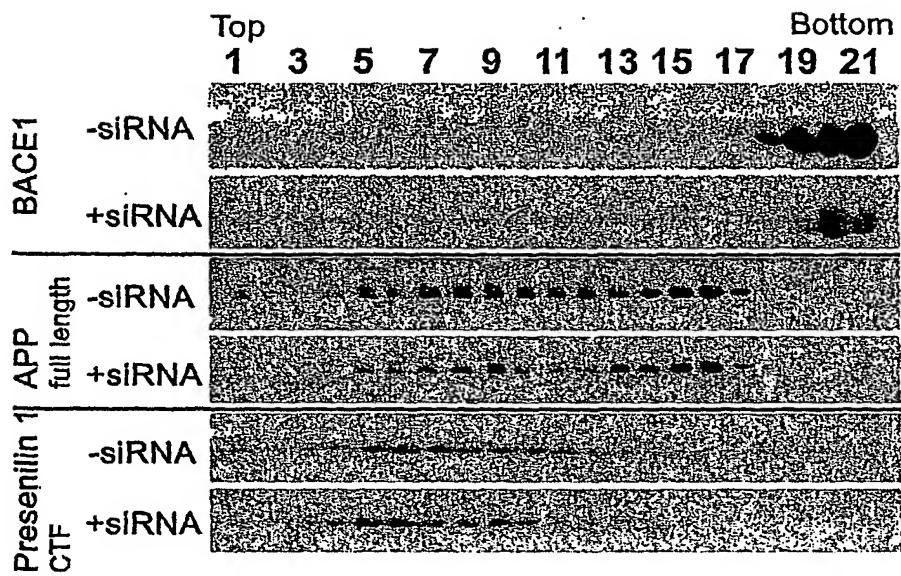
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FIGURE 5

**A**siRNA1 siRNA3 fluorescein**B****C**

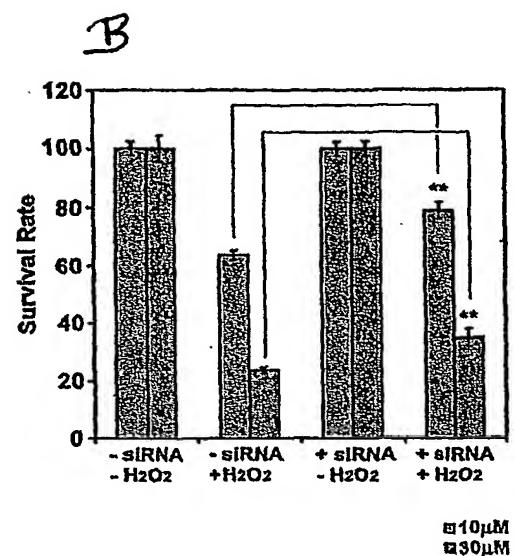
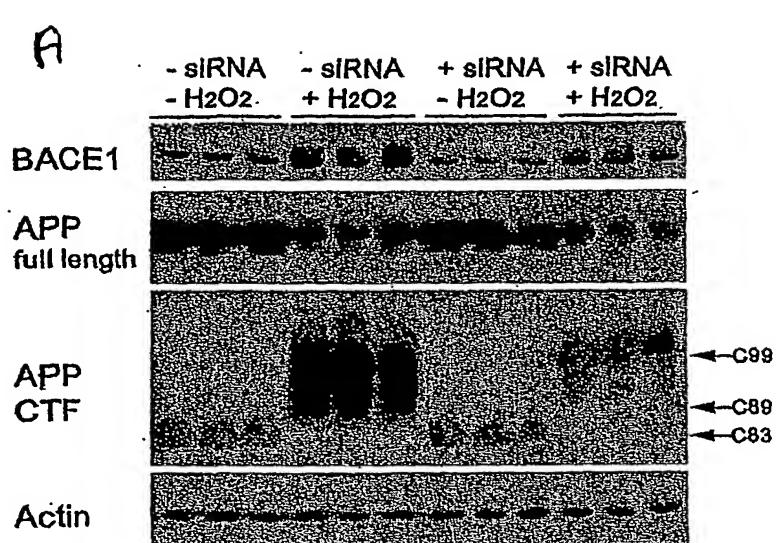
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FIGURE 6



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FIGURE 7



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